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OPTICAL NETWORK

Inventor: Kenneth M. Maxham Atty. Docket No.: 21216-05666

Sheet 1 of 18

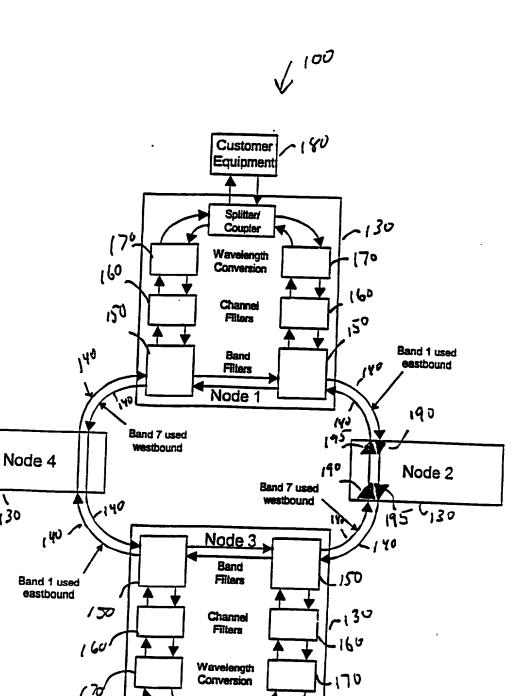


FIG. 1 (prior art)

180-

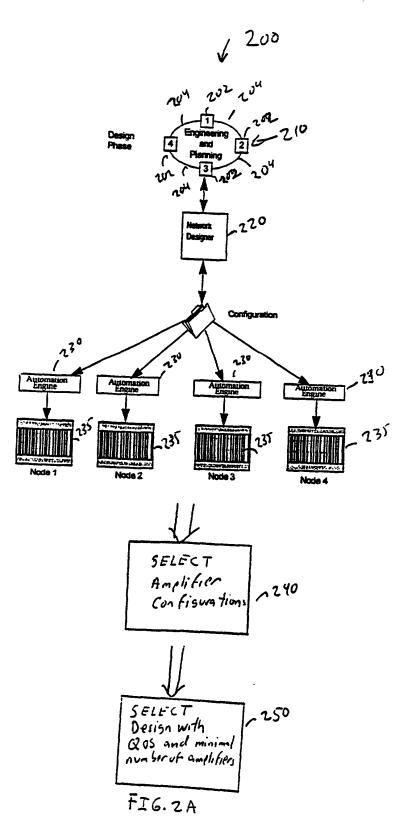
Splitter/ Coupler

Customer Equipment

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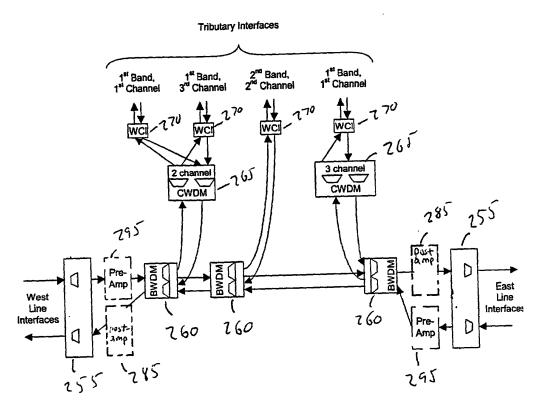
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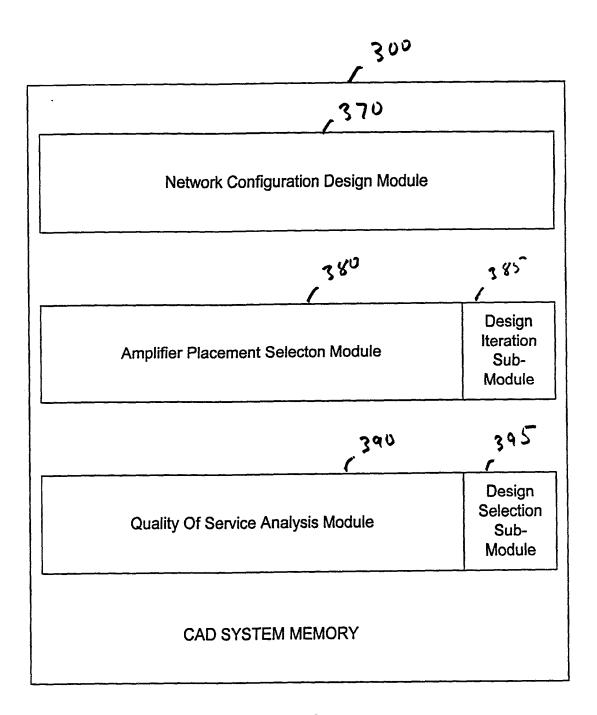


FI6.7B

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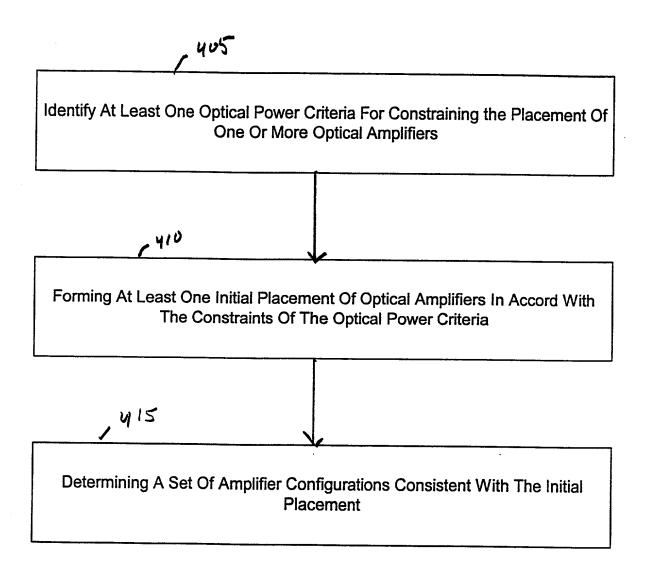


FJ6. 3

OPTICAL NETWORK

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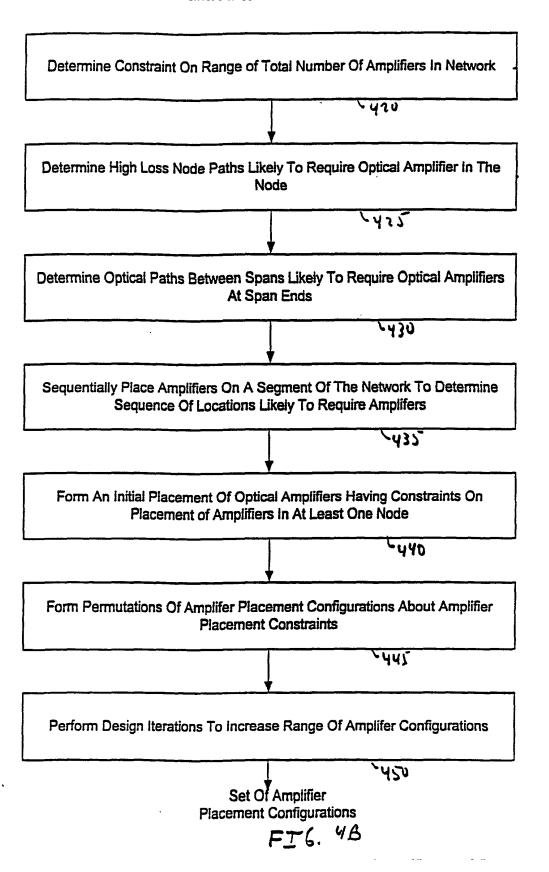


FI6. 4A

OPTICAL NETWORK

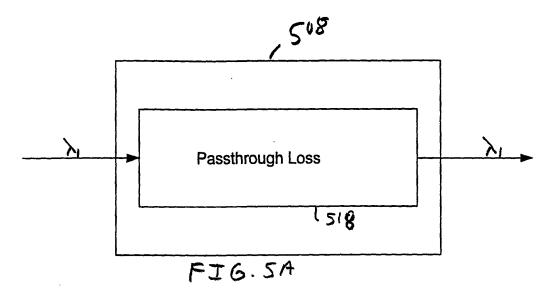
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OPTICAL NETWORK

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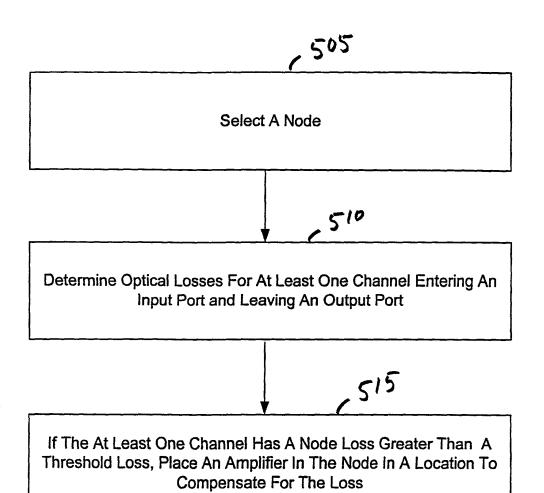
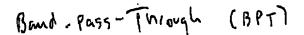


FIG. 58

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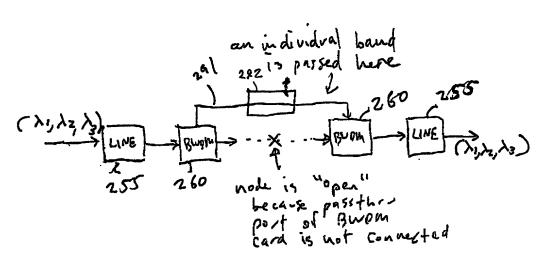
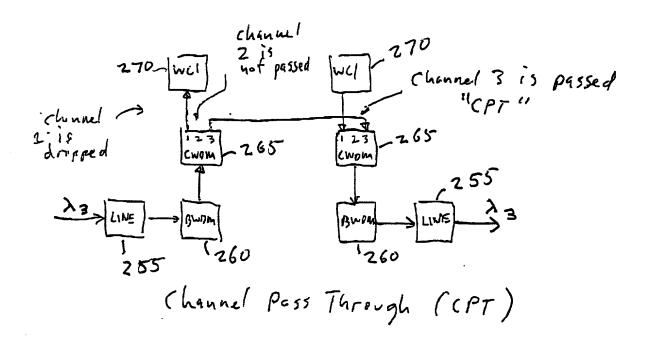


FIG. 6

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FI6.7

OPTICAL NETWORK

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805

Determine A Threshold Path Loss Indicative Of A Minimum Detected Power For A Wavelength Channel

810

Calculate Path Loss Between Transmitter On First Node And Receiver On Second Node

815

Responsive To The Path Loss Being Greater Than The Threshold Loss, Placing At Least One Amplifier Along The Path

FI6.8

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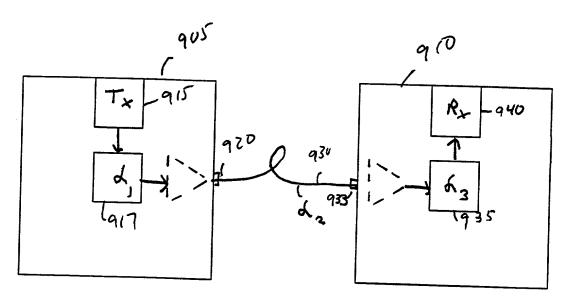
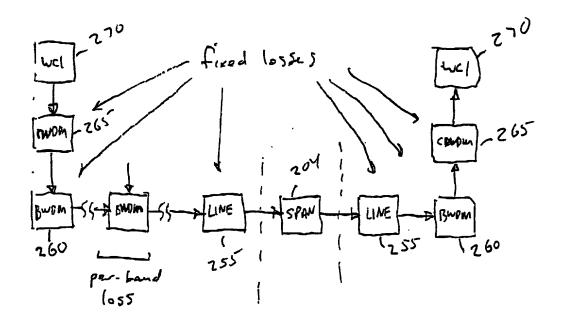


FIG. 9

OPTICAL NETWORK

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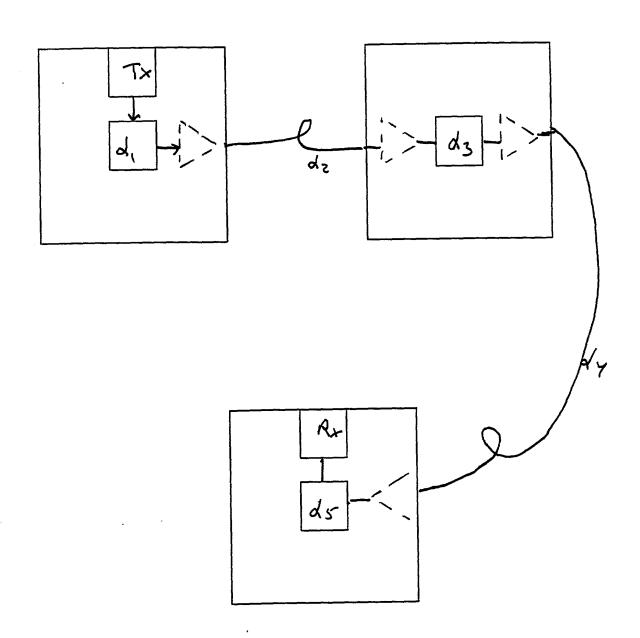
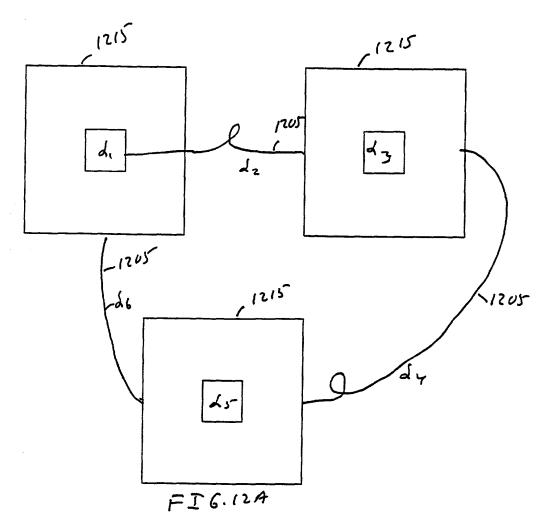


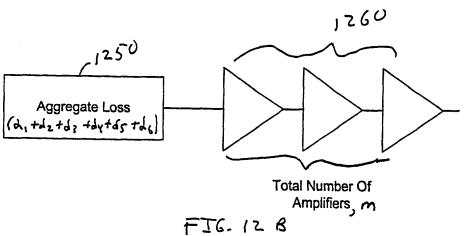
FIG.11

OPTICAL NETWORK

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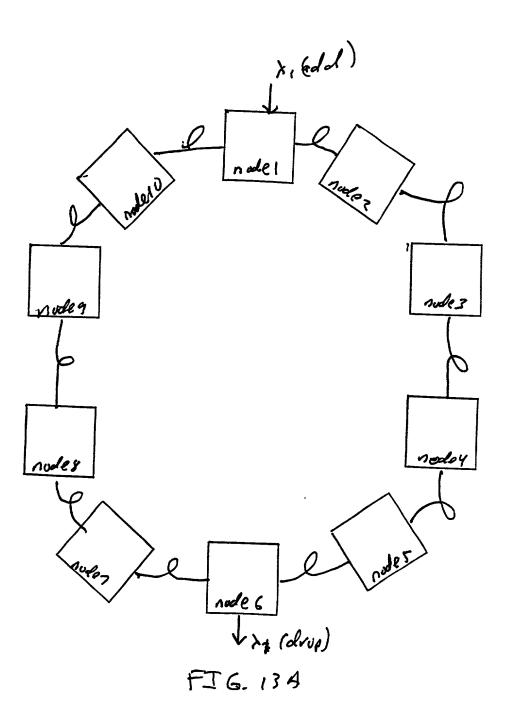
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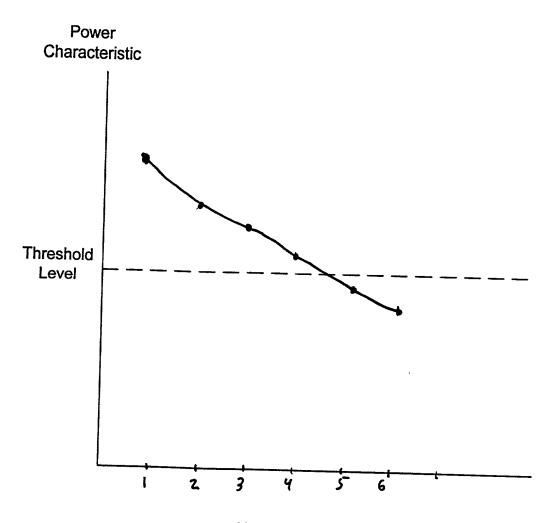


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Node Location

FJC. 138

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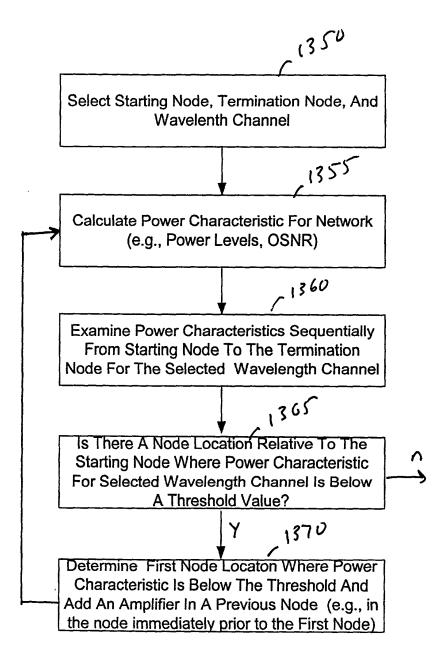


FIG. 13C